Use Attainability Analysis

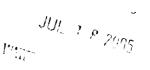
for

WBID 1253 Bear Creek

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

Date Received: July 18, 2005



Data Sheet A - Water Body Identification

Water Body Name (from USGS 7.5' quad): Bear Cree K
8-digit HUC: 6 /0290109
Missouri WBID #: 12 5 3
County: Johnson
Upstream Legal Description: Sec 2 +44N RZ&W
Downstream Legal Description: Sec 26 TUN RZEW
Upstream Coordinates: 427350
Downstream Coordinates: 415298 4268998
Discharger Facility Name(s):
Discharger Permit Number(s):
Number of Sites Evaluated: 3
Name of Surveyor and Telephone Number: Grea Caldwell (573) 884-3494 af
Name of Surveyor and Telephone Number: Grey Caldwell (573) 884-3494 af Organization: DNR af
Position: Spil Scientist TH.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Los Colesy	Date: 6/20/05
Signed:	Date.



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: \25	53		Site Location Des	cription:		
Site GPS Coordinates: 4 1	5557 4279	2256	Bridge	Co. P.d 800	ව	
Date & Time: 6/20	105 3:05		Facility Name:			
Personnel: G.	LB		Permit Number:			
Current Weather Conditio	ns: Summer		Weather Conditions for Past 7 days:			
Photo Ids: Upstream: 17	Downstre	eam: 125	3D Other:			
Uses Observed*:						
Swimming	Skin diving	SCU	BA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	Kayaking	☐ Boat	ing	Wading	Rafting	
Hunting	Trapping	Fish	ing	None of the above	Other:	
Surrounding Conditions	S*• (Mark all that prom	ote or imp	ede recreational us	es. Attach photos of evider	nce or unusual	
items of interest.)	5 . (Iviark all mat prom	ote or mp	ede recreational us	es. Attach photos of evider	ice of unusual	
☐ City/county parks	☐ Playgrounds ☐	MDC con	servation lands	Urban areas	☐ Campgrounds	
☐ Boating accesses	State parks	National f	orests	☐ Nature trails	Stairs/walkway	
☐ No trespass sign	☐ Fence 🔀	Steep slop	oes	Other:		
Evidence of Human Use	* :					
Roads	☐ Foot paths/prints	Do	ock/platform	Livestock Watering	RV / ATV Tracks	
Rope swings	☐ Camping Sites	🔲 Fi	re pit/ring	☐ NPDES Discharge	Fishing Tackle	
DOther: N/A						

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two -	W/DID #	1.	Data	Sheet B -	Site Character	rization		
Page I wo –	WBID#_	:			×.			
Stream Mor	phology:							
Upstream		ysical D	imensions	:				
Riffle	Width (ft):		Length		Avg. Depth ((ft):	Max. Depth (ft)	
Run	Width (ft):		Length	(ft):	Avg. Depth ((ft):	Max. Depth (ft)	:
⊠ Pool	Width (ft):	20	Length	(ft): 25	Avg. Depth ((ft): -75	Max. Depth (ft)	: 1,0
Flow	Present?	Yes Yes	□ No <	slow	Estimated (fi	³ /sec):		
Downstre	am View	Physica	Dimensi	ons:				
Riffle	Width (ft):		Length		Avg. Depth ((ft):	Max. Depth (ft)	:
Run	Width (ft):		Length	(ft):	Avg. Depth	(ft):	Max. Depth (ft)	:
Pool	Width (ft):	50	Length	(ft): 70	' Avg. Depth	(ft): .75	Max. Depth (ft)	: (,)
Flow	Present?	Yes	No v	Jens SC	Estimated (fi	t³/sec):		
			1	3 7	all all			
Substrate*:								
25%	6 Cobble	25	% Gravel	%	Sand	% Silt	5 3% Mud/Clay	% Bedroc
Aquatic Veg	etation*:	(note amo	unt of veget	ation or algal	growth at the asse	essment site)		
Taganese y og	,0000000	(note unit	unt of reget	anon or argur	grown at the acce	outroit one)		
		4	mart	we, d				
				, , , ,				
Water Char	acteristic	s*: (Mark	all that app	ly.)				
Odor:] Sewage		usky [Chemical	None	Other:	
Color:		Clear	Gr	een [Gray	Milky	Other: ~	un las
Bottom De	posit:	Sludge	☐ So	lids [Fine sediments	None	Other:	0
Surface De	eposit:] Oil	☐ Sc	um [Foam	None	Other: Coth	on wood
Comments:	Please atta	ach addi	tional com	ments (incl	luding informat	ion from ir	nterviews) to this for	m.
							her is to provide a more	
							nded to directly influence or that effect another use	
I, the under				e best of m	y knowledge, t	hat all inf	ormation reported	on this UAA

Organization:___

Position:

WBID 1253-Downstream #1



WBID 1253-Upstream #1



#2

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

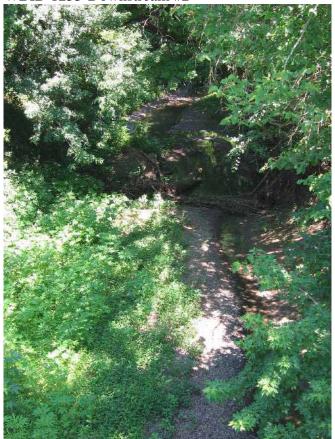
Missouri WBID #: 12	53		Site Location De	escription:				
Site GPS Coordinates:4	110179 47	7459	O bridge	Facility Name: Permit Number:				
Date & Time: (0 / 7	0/05							
Personnel: G.C.			Permit Number:					
Current Weather Condit				Weather Conditions for Past 7 days: Dru				
Photo Ids: Upstream: 12530 3 Downstream: 125			253D · 3 Othe					
ses Observed*:								
Swimming	Skin diving		SCUBA diving	Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking		Boating	Wading	Rafting			
Hunting	Trapping		Fishing	None of the above	Other:			
Describe: (include numb	per of individuals recr	eating, free	quency of use, photo	-documentation of evidence	of recreational uses, etc.)			
				documentation of evidence	5			
					5			
urrounding Conditio		promote or						
urrounding Conditio	ns*: (Mark all that p	oromote or	impede recreational t	uses. Attach photos of evide	nce or unusual			
urrounding Conditio	ns*: (Mark all that p	oromote or	impede recreational conservation lands	uses. Attach photos of evide	nce or unusual			
urrounding Conditionems of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	oromote or MDC	impede recreational conservation lands	uses. Attach photos of evider Urban areas Nature trails	nce or unusual			
urrounding Conditionems of interest.) City/county parks Boating accesses	ns*: (Mark all that p Playgrounds State parks Fence	MDC Nation	impede recreational conservation lands	uses. Attach photos of evider Urban areas Nature trails	nce or unusual			
urrounding Conditionems of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	oromote or MDC Nation Steep	impede recreational s conservation lands nal forests slopes	Urban areas Nature trails Other:	ce or unusual Campgrounds Stairs/walkway			

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

age I wo –	WBID #	<u></u> :	Data Sneet	*			
tream Mor Upstream	phology: 1 View Phy	sical Di	mensions:				
Riffle	Width (ft):		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Run	Width (ft):		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Pool	Width (ft):	30	Length (ft): (20 Avg. Depth	(ft): /·O	Max. Depth (ft): /.5	
Flow	Present?	⊠ Yes	□ No 51000	Estimated (f	ft ³ /sec):		
Downstre	am View F	Physical	Dimensions:				
Riffle	Width (ft):		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Run	Width (ft):		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Pool	Width (ft):	5	Length (ft): 3	Avg. Depth	(ft): ,75	Max. Depth (ft): /, O	
Flow	Present?	Yes	☐ No	Estimated (ft ³ /sec):		
iquatic veg	etauon":						
Vater Char			N/A	algal growth at the ass	essment site)		
Vater Char	acteristics	*: (Mark	M/A all that apply.)	Chemical	S None	Other:	
	racteristics		N/A		1	=	
Odor: Color: Bottom De	racteristics	*: (Mark Sewage	all that apply.)	☐ Chemical	⊠ None ☐ Milky ☑ None	Other: Murky	
Odor: Color:	racteristics	*: (Mark Sewage Clear	all that apply.) Musky Green	☐ Chemical	⊠ None ☐ Milky	Other: murky	
Odor: Color: Bottom De Surface De Comments: This informationprehensive	eposit: Please attaction is not to be understanding	*: (Mark Sewage Clear Sludge Oil ch addit	all that apply.) Musky Green Solids Scum ional comments (Chemical Gray Fine sediments Foam Including informa	None Milky None None tion from interestation but rather on is not intended	Other: Murky Other: Other: Other: views) to this form.	
Odor: Color: Bottom De Surface De Comments: This informationprehensive ecision on the the under latasheet is	eposit: epo	*: (Mark Sewage Clear Sludge Oil ch addit	all that apply.) Musky Green Solids Scum ional comments (lely for removal of a r conditions. Consects but may point to consist the best of the best	Chemical Gray Fine sediments Foam including informate recreational use designmently, this information that need furth forms that need further than the nee	None Milky None None Tom interest action from interest analysis or the that all information	Other: Murky Other: Other: Other: o	JAA
Odor: Color: Bottom De Surface De Comments: This information on the ecision on the latasheet is Signed:	racteristics peposit: peposit: Please attaction is not to be understanding recreation uses true and a second se	*: (Mark Sewage Clear Sludge Oil ch addit	all that apply.) Musky Green Solids Scum ional comments (lely for removal of a r conditions. Consects but may point to condition to the best of the condition of the conditi	Chemical Gray Fine sediments Foam Gray Foam Gray Foam Gray Gray Foam Gray Fo	None Milky None None None In None	Other: Murky Other: Other: Other: views) to this form. is to provide a more of the directly influence a last effect another use. mation reported on this U	JAA
Odor: Color: Bottom De Surface De Comments: This information on the ecision on the latasheet is Signed:	racteristics peposit: peposit: Please attaction is not to be understanding recreation uses true and a second se	*: (Mark Sewage Clear Sludge Oil ch addit	all that apply.) Musky Green Solids Scum ional comments (lely for removal of a r conditions. Consects but may point to condition to the best of the condition of the conditi	Chemical Gray Fine sediments Foam Gray Foam Gray Foam Gray Gray Foam Gray Fo	None Milky None None None In None	Other: Murky Other: Other: Other: o	JAA

WBID 1253-Downstream #2



WBID 1253-Upstream #2



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 2	53		Site Location Description:				
Site GPS Coordinates: <	415296 42	69803	Endel Co. Rd 1250				
Date & Time: 6/2	0/05		Facility Name:				
Personnel: G. C. L/3 Current Weather Conditions:			Permit Number:	Permit Number:			
			Weather Conditions for Past 7 days:				
es Observed*:							
Swimming	Skin diving	SC	UBA diving	Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	Boa	ating	Wading	Rafting		
Hunting	Trapping	☐ Fisl	hing	None of the above	Other:		
Describe: (include nume	er of individuals reci	reating, freque	ency of use, photo-	documentation of evidence	of recreational uses, et		
rrounding Conditio				documentation of evidence			
rrounding Conditio		promote or im					
rrounding Conditions of interest.)	ns*: (Mark all that p	promote or im	pede recreational u	uses. Attach photos of evider	nce or unusual		
rrounding Conditions of interest.)	ns*: (Mark all that p	promote or im	pede recreational unservation lands	ises. Attach photos of evider	nce or unusual		
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p	oromote or imp	pede recreational unservation lands	uses. Attach photos of evider Urban areas Nature trails	nce or unusual		
rrounding Conditions of interest.) City/county parks Boating accesses	ns*: (Mark all that p Playgrounds State parks Fence	MDC co	pede recreational unservation lands forests	uses. Attach photos of evider Urban areas Nature trails	Campgrounds Stairs/walkway		
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence Fence Foot paths/prin Camping Sites	moromote or important of the property of the p	pede recreational unservation lands	uses. Attach photos of evider Urban areas Nature trails Other:	nce or unusual		

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Data Sheet B - Site Characterization

Stream Morphology:

Upstream View	Physical Dim	ensions:				
☐ Riffle Width	ı (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	
Run Widtl	ı (ft):	Length (ft):	Avg. Depth (1	ft):	Max. Depth (ft):	
☐ Pool Width	h (ft): 20	Length (ft):	Avg. Depth (1	A): .25	Max. Depth (ft):	.5
☐ Flow Prese	nt? Yes] No	Estimated (ft ³	/sec):		
		46				
Downstream V	iew Physical D	imensions:				
Riffle Widtl	ı (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	
Run Widtl	h (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	
Pool Width	h (ft): 16	Length (ft): 3	Avg. Depth (ft): , 5	Max. Depth (ft):	-5
Flow Prese	nt? Xes] No	Estimated (ft	/sec):		
Substrate*: (These						
10 % Cobb	le 20 % C	Gravel	% Sand	% Silt 70	% Mud/Clay	% Bedrock
Tuatic vogotation	N/A	or vegetation of	algal growth at the asses	Silicit Site)		
Water Character	istics*: (Mark all	that apply)				
Odor:	Sewage	☐ Musky	Chemical	None	Other:	
Color:	Clear	Green	Gray	Milky	Other: mur	KU
Bottom Deposit:	Sludge	Solids	Fine sediments	None None	Other:	
Surface Deposit:	Oil	☐ Scum	☐ Foam	None	Other:	
*This information is n	not to be used solely	y for removal of a onditions. Conse	recreational use design quently, this information	ation but rather is	to provide a more o directly influence a	
datasheet is true	and accurate.	\bigcirc	f my knowledge, the	ž		this UAA
Organization:			Position	v		

WBID 1253-Downstream #3



WBID 1253-Upstream #3



WBID 1253-Upstream-03-Dumping



